

**ABSTRACT OF THE DISCLOSURE**

In a peer-to-peer network system, a first network terminal sends a request message to a host terminal. The host terminal receives this request message and extracts from this message an IP address of the first network terminal. A second network terminal also sends a request message to the host terminal, and the host terminal receives this request message, too. The host terminal sends a reply message to the second network terminal, where the host terminal has the IP address of the first network terminal contained in this reply message. The second network terminal extracts from the reply message the IP address of the first network and, based on this extracted IP address, starts a peer-to-peer communication with the first network terminal.